

## PHYSIOLOGY AND PATHOPHYSIOLOGY OF THE SPLANCHNIC CIRCULATION

July 24-29

Peter R. Kvietys, Chair

Gregory B. Bulkley, Vice-chair

25 July. Non-adrenergic, Non-cholinergic Regulation of Gastrointestinal Circulation. E.D. Jacobson, C. Sternini, J.E. Brayden, J.J. Galligan, D.L. Kreulen, S. Vanner. Imaging Technology for Study of the Vascular System. G.A. Meininger, E.L. Ritman, D.C. Zawelja, P.F. Davies, E.D.W. Moore.

26 July. Endothelial Cell Biology. H.J. Granger, W. Smith, L.V. McIntire, D. Shasby, Y. Yuan, P.R. Kvietys. Modulation of Gastrointestinal Inflammation: Leukocyte Adhesion and Chemotaxis. J. McCord, D.C. Anderson, P. Kubes, S.C. Silverstein, J.L. Wallace.

27 July. Ischemia/Reperfusion and Tissue Injury. A.E. Taylor, J.E. Repine, R.J. Korthuis, M.V. Cohen, D.L. Osborne, K.G. Proctor. Systemic Toxins of Gut Origin. C.C. Chou, U. Haglund, M.P. Fink, H.P. Hechtman, E.A. Deitch, D.A. Parks.

28 July. Nitric Oxide and the Splanchnic Circulation. P. Kubes, P.J. Kadowitz, B.J.R. Whittle, A.M. Lefer, H.J. Granger, M. Grisham. Modulators of Endothelial Cell Function. A.P. Shepherd, T. McIntyre, B.N. Cronstein, M. Tsuchiya, H.A. Lehr.

29 July. Novel Mechanisms of Tissue Injury. G. Bulkley, R.S. McCuskey, C.A. Brass, T.G. Buchman, A.S. Klein.

## FOLIC ACID, VITAMIN B<sub>12</sub> AND ONE CARBON METABOLISM

July 31-August 5

Robert H. Allen, Chair

Barry Shane, Co-chair

1 August. B<sub>12</sub> and Folate Enzymes and the Regulation of Methionine Synthesis. R. Matthews, R. Rosen, R. Banerjee, J. Stubbe. Folate Enzymes and the Metabolic Control of One Carbon Metabolism. B. Shane, V. Schirch, G. Stauffer, H. Zalkin, D. Appling.

2 August. Clinical Aspects of B<sub>12</sub> and Folate Deficiency. R.H. Allen, W. Fenton, I. Rosenberg, D. Weir, J. Lindenbaum, F. Ledley. S-Adenosylmethionine and Methylation. C. Wagner, A. Pegg, C. Bacchi, P. Jones, S.G. Clarke.

3 August. Emerging Chemotherapeutic Targets for Cancer. C. Allegre, R. Schimke, E. Chu, Y. Assaraf, D. Goldman. Folate and Vitamin B<sub>12</sub> Biosynthesis. J. Roth, B. Nichols, I. Scott, L. Debussche.

4 August. Homocysteine and Vascular Disease. H. Refsum, P. Ueland, I. Graham, R.H. Allen, J. Ubbink. Emerging Chemotherapeutic Targets Involving Mammalian and Nonmammalian Organisms. D. Santi, R. Stroud, B. Shane, J. Galivan.

5 August. Binding and Transport of Folate and B<sub>12</sub>. F. Huennekens, C. Bradbeer, S.P. Rothenberg, F. Sirotnak, P. Elwood.

## HEPATIC REGENERATION AND CARCINOGENESIS: MOLECULAR AND CELLULAR PATHWAYS

August 7-12

George Michalopoulos, Chair

Randy L. Jirtle, Vice-chair

8 August. Cytokines Related to Regulation of Normal and Neoplastic Liver. G.K. Michalopoulos, K. Fujiwara, R. Schwall, P. Comoglio, N. Fausto, R. Zarnegar, W. Russel, D. LaBrecque.

9 August. Mito-inhibitory Cytokines in Regeneration and Neoplasia. R.L. Jirtle, S. Thorgeirsson, H. Isom, J. Yager. Transcription Factors in Hepatic Growth and Differentiation. J. Locker, K. Zaret, R. Taub.

10 August. Stem Cells and Transitional Cells. S. Thorgeirsson, D. Shafritz, K. Ponder. Non-genotoxic Carcinogenesis. J. Reddy, D.S.R. Sarma, W. Kaufmann. Genetic and Non-genetic Alterations in Tumor Progression. N. Drinkwater, C. Rogler.

11 August. Inflammatory Cytokines and Biology of Liver Transplantation and Growth. T. Starzl, T. Francavilla, A. Demetriou, A.M. Diehl. Human Liver Carcinogenesis. B. Carr, S. Strom.

12 August. Intercellular Matrix, Ito Cells and Bile Duct Cells. A. Sirica, A. Martinez-Hernandez, N. Bucher, J. Demetris, M. Rojkind.

## MOLECULAR GENETIC BASIS OF CELL AND TISSUE STRUCTURE AND FUNCTION

August 14-19

Gary Stein, Chair

Alice Fulton, Vice-chair

Ronald Berezney, Vice-chair

15 August. Cellular and Molecular Basis of Organogenesis and Tissue Remodeling. S. Penman, H. Reddi, E. Bell, H.M. Blau. Involvement of Nuclear Architecture in Transcriptional and Post-transcriptional Control of Gene Expression. J. Lawrence, W. Brinkley, D. Spector, R. van Driel, A. van Wijnen, J. Nickerson.

16 August. Role of Chromatin Structure and Nucleosome Organization in Transcriptional Control. G. Hager, M. Bradbury, M. Montecino, J.R. Davie, W. Garrard, S. Ward, H. Saueressig, S. Spiker. Involvement of the Nuclear Matrix in DNA Replication. R. Berezney, J. Hamlin, P. Reddy, D. Kaufman, D. Jackson, T. Kohwi-Shigematsu.

17 August. Contributions of the Cytoskeleton to Control of Gene Expression. A. Fulton, R. Singer, R. Goldman, D. Cleveland, E. Luna. Regulation and Regulatory Roles of the Extracellular Matrix. M.J. Bissell, L. Suva, M. Bernfield, H. Sage, P. Bornstein, S. Farmer, J. Lian.

18 August. Proliferation-differentiation Interrelationships: Regulation of Gene Expression Supporting Cell Growth and Tissue-specific Gene Expression. G. Stein, T. Spelsberg, D. Denhardt, K. Korach, J. Bode. Mechanochemical Signalling Mechanisms Supporting Cell and Tissue-specific Gene Expression. D. Ingber, M. Sinensky, C. Rubin, K. Hruska, W.B. Kinlaw, J. Bidwell.

19 August. Modifications in Cell Structure as a Basis for Diagnosis, Prognosis and Therapeutics. D.S. Coffey, A. Ben-Ze'ev, R. Hoffman, R. Getzenberg, K. Pienta, E.G. Fey, D. Fernandes, D. Bronstein.

# 1994 FASEB SUMMER RESEARCH CONFERENCES

SAXTONS RIVER, VERMONT, COPPER MOUNTAIN, COLORADO, AND SANTA CRUZ, CALIFORNIA

For further information call:

Vermont Conferences —  
(301) 530-7094  
Colorado Conferences —  
(301) 530-7093  
California Conferences —  
(301) 530-7095

## APPLICATION FORM

(Please Type or Print)

Application Must be Submitted at Least  
6 Weeks Before  
Beginning of Conference

Please remit this application form  
in duplicate to:

FASEB Summer Conferences  
9650 Rockville Pike  
Bethesda, MD 20814-3998  
FAX: 301-571-0650

Invited Speakers do not submit an Application

Conference on \_\_\_\_\_ Conf. Date \_\_\_\_\_  
Name \_\_\_\_\_ Phone \_\_\_\_\_  
Dept. \_\_\_\_\_ FAX \_\_\_\_\_  
Organization \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**NOTICE:** Please enclose a list of research activities and/or brief CV. *The application and additional materials will be forwarded to the appropriate chairperson for review and selection.* If accepted, you will receive a registration card and additional meeting information. *The registration card must be returned with full payment at least 4 weeks before the conference begins.*

Would you like to present a poster? \_\_\_\_\_ If yes, enclose a brief abstract (no special form is required). Notification of poster acceptance will accompany registration materials.

## CONFERENCE FEES FOR 1994

Room assignments are based on availability

	Vermont	Copper Mountain	Santa Cruz
<b>Scientists:</b>			
On-site accommodations (includes registration, room, meals)			
Single Occupancy (1 paid registrant per unit)	\$490	\$565	\$600
Double Occupancy (2 paid registrants per unit)	\$430	\$505	\$525
Multiple Occupancy (3-5 paid registrants per unit)	—	\$465	—
Off-site accommodations (registration and meals only)	\$380	\$415	\$380
Off-site participants are responsible for paying their own housing costs.			

### Spouse/Guest:

If your spouse/guest will attend the Conference, the on-site fee is \$360.00. This includes shared accommodations and meals. Spouse/guest registration does not permit attendance at the scientific sessions.

### Continuing Medical Education Credits \$25

(Fee must be paid at the time the CME form is submitted. As many as 30 Category I Continuing Medical Education credits may be provided)

Each Conferee agrees to abide by the following regulations when accepting a registration:

- Lectures and discussions may not be recorded
- Slide material may not be photographed
- Conference papers and discussions may not be used without expressed, written consent of the contributor
- FASEB Summer Research Conferences may not be cited as references in publications
- Spouses/guests are not permitted to attend lectures and discussions
- In order to maintain the intimate scientific interaction among the participants attending the conference, children under the age of 12 cannot be housed in conference housing or have meals in conference dining rooms.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

Please submit your application early.  
Receipt of this application will not be acknowledged prior to notification of acceptance unless a stamped, self-addressed postcard is enclosed.

**DO NOT SEND PAYMENT WITH THIS APPLICATION.**